

AMENDMENT

IN THE CLAIMS:

1. (CURRENTLY AMENDED) A gear reduction unit comprising:
 - a drive shaft;
 - an electric motor that rotatably drives the drive shaft;
 - a reduction gear driven by the drive shaft;
 - a geared motor housing that houses the reduction gear;
 - a magnet disposed on the drive shaft; ~~and~~
 - a connector that is removeably connected to the geared motor housing, wherein the geared motor housing is maintained permanently assembled to the electric motor, and wherein the connector includes electrical supply contacts for feeding current to the electric motor and a sensor disposed proximate to the magnet;
 - a printed circuit board defining a plane; and
 - a case that houses the printed circuit board and the sensor,
 - wherein the sensor is fixed to the printed circuit board and offset relative to the plane defined by the printed circuit board, and the sensor is fitted with connection tabs that offset the sensor.
2. (PREVIOUSLY PRESENTED) The gear reduction unit according to claim 1, wherein a distance between the sensor and the magnet is less than 4 mm.
3. (PREVIOUSLY PRESENTED) The gear reduction unit according to claim 2, wherein the distance between the sensor and the magnet is 2 mm.
4. (ORIGINAL) The gear reduction unit according to claim 1, wherein the magnet is a ring having at least one North pole and at least one South pole and is polarized transverse to a longitudinal axis of the drive shaft.
5. (ORIGINAL) The gear reduction unit according to claim 4, wherein the magnet has a plurality of North poles and a plurality of South poles.

6-8. (CANCELLED)

9. (PREVIOUSLY PRESENTED) The gear reduction unit according to claim 1, wherein the connector includes a guide hole and the sensor is disposed in the guide hole.

10. (CURRENTLY AMENDED) The gear reduction unit according to claim 1, wherein the electric motor comprises a housing and ~~the connector comprises a case, wherein an interface~~ between the housing and the case forms a watertight seal.

11. (ORIGINAL) The gear reduction unit according to claim 1, wherein the sensor is a Hall effect sensor.

12. (CANCELLED)

13. (CURRENTLY AMENDED) The ~~connector~~ gear reduction unit according to claim ~~12~~1, wherein the connection tabs fix the sensor to the printed circuit board.

14. (CANCELLED)

15. (CURRENTLY AMENDED) The gear reduction unit ~~connector~~ according to claim ~~12~~1, wherein the case includes a guide hole and ~~wherein~~ the sensor is disposed in the guide hole.

16. (CANCELLED)

17. (PREVIOUSLY PRESENTED) The gear reduction unit according to claim 1, wherein the connector includes a releasable fastener that releasably secures the connector in the gear reduction unit.